

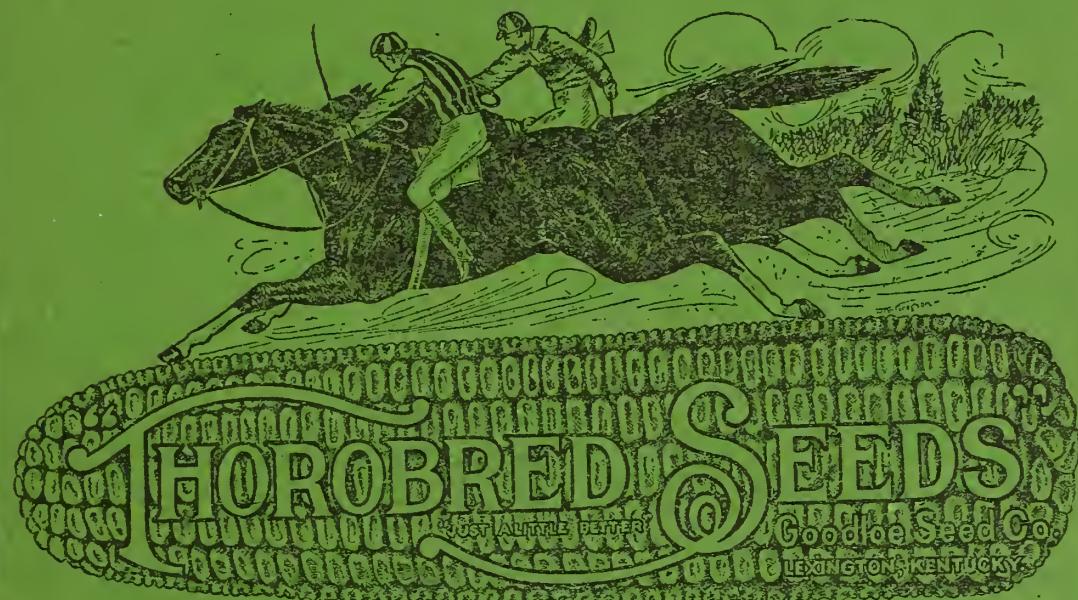
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Do not assume content reflects current scientific knowledge, policies, or practices.

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The Big Seed Store

Home of



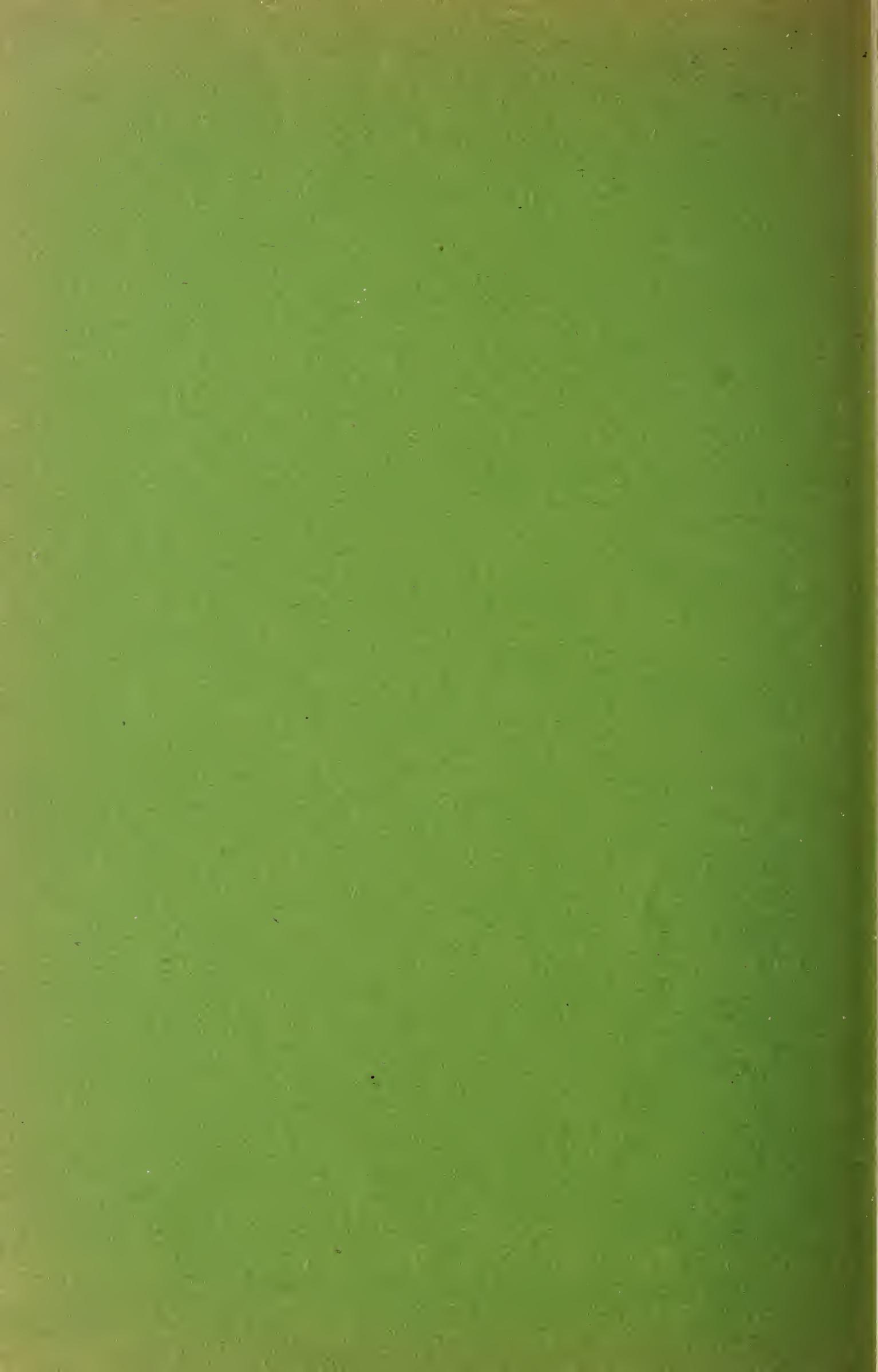
Field and Garden

PLANTS, BULBS, SHRUBS
POULTRY SUPPLIES
FERTILIZERS
ONION SETS

Goodloe Seed Co.

111 CHEAPSIDE,

LEXINGTON, KY.



This is about the same as our 1919 catalogue which is not yet press yet

Thorobred Seed For 1916

General Information and Suggestions To Customers

Garden and Flower Seeds.

Unless otherwise noted, all Garden and Flower Seeds are sent prepaid by us except pound lots or more of Peas, Beans and Sweet Corn. The last three items will be sent by parcel post if postage is added at parcel post rates.

Grass and Field Seeds.

All Grass and Field Seeds, Onion Sets and Potatoes are shipped only at purchaser's expense by express or freight, as ordered. Prices quoted in this catalogue are F. O. B. Lexington. Small quantities of Grass or Field Seeds may be sent by parcel post but postage must be added at parcel post rates.

Order Early.

It is important to order early so as to avoid delay. We aim to fill orders with all possible dispatch but at the height of our busy season we cannot always ship orders the same day they are received. Early orders are given immediate attention. For perishable stock, especially, it is most desirable that we receive your order by March and in general it is best when possible, to send us your order as soon as you receive our catalogue.

Hardy Nursery Stock.

Trees, shrubs, vines and roses are shipped by express or freight during March. Orders should reach us in February.

Vegetable Plants.

These are shipped by express from April 15th to July 1st. Small lots can be mailed, if desired.

Order Blanks.

The using of our blanks is not necessary, however, as any sheet of paper giving your name, address and shipping directions will answer the purpose.

Errors.

We exercise the utmost care in filling orders but in the rush of our busy season, errors will sometimes occur, in which case we shall appreciate being advised of the fact at once and proper corrections will be made. Please keep copies of your orders for reference.

Our Responsibility.

We consider that we are under obligation to fill every order as promptly as possible. If we cannot fill your order for any item, we will at once return the money sent for same. We will not keep your money without adequate returns to you, send you due bill or substitute something you do not want.

Seeds of our Thorobred Brand ordered from this catalogue will prove of satisfactory purity and germination to you or they may be returned at our expense and money paid for same will be cheerfully and promptly refunded without "ifs or ands."

How to Send Money.

Money can be sent safely either by P. O. order, bank draft, express draft, express order or registered letter. If your order amounts to \$1.00 or more it is best to send by one of the above methods. The rates charged for Postal Money Orders and Express Money Orders are now so low that these are the best ways to remit. Express Money Orders can be obtained at all offices of the principal Express Companies. Postage stamps taken in amounts less than one dollar. Never send coin in the mail unless in registered letter.

Market Gardeners.

We number among our customers many market gardeners and other users of large quantities of seeds. Those desiring to purchase greater amounts than those quoted in our catalogue will find it to their advantage to send us a complete, itemized list of their requirements and we will be pleased to name a special net price on the order, either F. O. B. Lexington or delivered to your station.

Disclaimer.

As seeds, plants and bulbs are subject to climatic and other conditions over which we have no control, after once being placed in the ground, therefore, the Goodloe Seed Company give no warranty, express or implied, as to description, quality, productivity or any other matter of any seeds, plants or bulbs they send out and they will not be in any way responsible for the crop, and every order for articles named in this catalogue will be executed on these conditions only. If the purchaser does not accept same on these terms they are at once to be returned.

Goods Lost in Transit.

When we deliver goods to the transportation company, they become responsible for delivery of same in good condition at the receiver's station. If part of shipment is lost in transit or if bags are torn and part of contents destroyed it is most important to have shortage noted by agent on the express or freight bill, including the net weight of seed which is received. Then the claim for shortage can be made by purchaser from the transportation company, or if desired, we will enter claim—providing we receive the original express or freight bill with shortage noted thereon. If an entire shipment is lost or delayed in transit, notify us within a reasonable period and we will start tracer,

Goodloe Seed Company

WHOLESALE AND RETAIL

INTRODUCTION

In this catalogue you will find useful and reliable information in condensed form, pertaining to the leading varieties of farm seeds. Great importance should be emphasized in selecting the purest seeds obtainable, for the purest seeds are always the cheapest and the slight increase in the price more than pays in the yield of the crop. Always order our "Thorobred" Brands if you want the best.

As our space in this catalogue is very limited, it is impossible in describing each kind of seed to go into detail. This catalogue is merely to familiarize our friends with the large assortment of seeds we carry, but any one interested in any special kind of seed, can obtain full information on request. Furthermore, if you are interested in any seeds not listed in this catalogue or if we do not carry it in stock, we will be glad to get it for you.

Prices.

As the market prices change so often on field seeds, it is impossible for us to quote prices that would continue throughout the year, so we must request you to write, call or phone us for prices.

Nursery Stock.

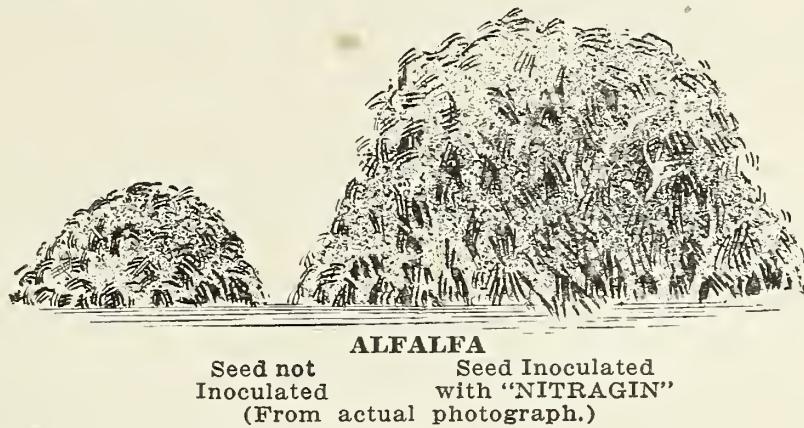
We carry a full line of Nursery Stock, obtained from the largest and most responsible nurseries in this country. All stock "true to name." Ask for our large illustrated catalogue.

Garden and Flower Seed.

Our Garden and Flower Seed department is the largest in Central Kentucky. We devote all our time to the seed business and have the largest assortment of Field and Garden Seeds in Central Kentucky. Try our seeds. We have hundreds of satisfied customers. Ask for large illustrated catalogue.

Alfalfa or Lucerne

Legumes are the only plants that add plant food to the soils. The Red Clovers are very useful but Alfalfa is the most useful legume we grow, on account of the great root depth and nitrogen gathering power besides being



a great hay crop. There are four things necessary for success with Alfalfa: Lime, proper drainage, inoculation and humus. Inoculation is very important as it places in the soil nitrogen-gathering bacteria, without which the Alfalfa cannot flourish. There are several ways of inoculating Alfalfa, but the greatest authorities recommend "NITRAGIN." (See Page 7.) As the space here does not permit going into this subject of Alfalfa in detail, we will be glad to send to any one interested, our folder on Alfalfa, which you will find very complete and interesting.

Price, per bushel (60 lbs.)

Clover Seed

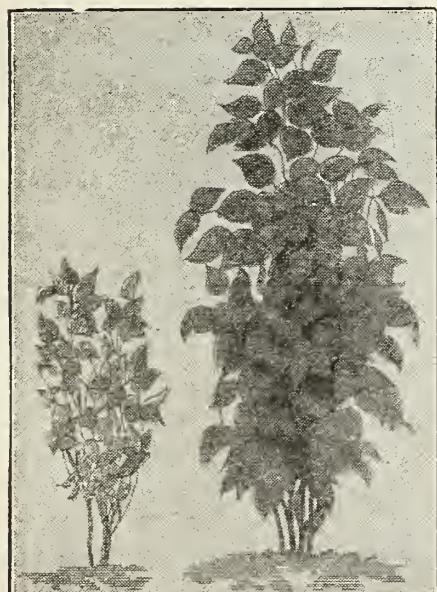
Our clover is of the best quality and thoroughly recleaned. We handle all sorts of clover seeds: Red Clover, Mammoth Clover, Crimson Clover, Sweet Clover, White Clover and Alsike. It is advisable to inoculate all clover to secure a better stand.

Price per bushel
(60 lbs.)

Red Clover
Mammoth Clover
Crimson Clover
Sweet Clover
White Clover
Alsike

Sweet Clover

Sweet Clover, once regarded as a pest, has now become very popular with the farmer, as it is a very valuable crop for fertilizer and pasture. There are three kinds, the most valuable being the White Blossom. It is biennial, very hardy and on ordinary soils grows six feet tall.



RED CLOVER
Seed not Inoculated
Seed Inoculated with "NITRAGIN"
(From actual photograph.)

Next to the White is the Yellow Blossom. This is also biennial, but does not grow so tall. Both these clovers are used for hay and pasture. Then there is an annual Yellow Blossom Sweet Clover but this is used only as a fertilizer and is a valuable winter cover crop. For full information write for booklet. Prices and samples on application. 30 pounds to the bushel.

Price, per bushel

Timothy.

Timothy is too well known to require description. We handle only the best and you will find our prices as low as any, quality considered. 45 pounds to the bushel.

Price, per bushel

Dwarf Essex Rape

Dwarf Essex Rape is something that every farmer who has hogs, sheep and young stock should plan to grow a patch of rape. Prices on application. 50 pounds to the bushel.

Price, per bushel

Grasses.

Kentucky Blue Grass is too well known to require description. We strip, cure and clean our seed with the latest improved methods and are careful to see that this seed is not heated in any way, thus securing the highest degree of germination and purity. Prices on application. 14 pounds to the bushel.

Price, per bushel

Orchard Grass is very valuable as a pasture and meadow. It will stand more abuse, hard tramping, poor soils and drought than any other grass grown. Prices on application. 14 pounds to the bushel.

Price, per bushel

Red Top

Red Top is sown with timothy or clover, but too well known to need description. 14 pounds to the bushel.

Price, per bushel

Sudan Grass

The—Wonderful! Of—Immense—Value.

From the Dark Continent has come and proven one of the greatest and most valuable grass crops ever introduced from any country on the face of the earth.

Coming from Dark Africa as this new grass plant did. A plant supposed to be the parent of the sorghum family and a native of African Sudan Country, it was discovered by experts sent out by the United States Department of Washington, in search of the world's plants of value to the American farmer.

Sudan Grass resembles the old-time Johnson grass in general appearance as well as the sorghums, but possesses all of their merits, with none of the objectionable features. Being an annual, it dies down every year, so does

not become a pest, but may be grown where most desired. It matures in from sixty-five to eighty days from sowing and makes an abundant supply of excellent forage, silage and hay. All kinds of live stock prefer it to alfalfa hay and poultry like the seed. It is well adapted to the arid regions, does fine in the rain belt, prairie and hill country; in fact, seems to grow reasonably well in all kinds of soil in the south, east, north and west. It is indeed a wonderful grass and worthy of a trial by everyone who can procure the seed. It is the grass that laughs at drouth and smiles at rain. Three cuttings can be obtained. Send for booklet.

Price per pound

Winter Vetch

Winter Vetch is a great nitrogen-gathering plant. Sown with some good crop to support it, it will make a reasonable amount of hay, but its greatest value is as a nitrogen-gatherer to turn under. We advise by all means inoculation. (See page 7).

Spring Vetch is sown in the spring of the year with Canada Field Peas, Cow Peas and Oats. 60 pounds to the bushel.

Price per bushel

Millets

Hungarian Millet may be sown any time during the summer and is the quickest maturing of any variety of millet. 50 pounds to the bushel.

Price per bushel

German Millet, Tennessee grown. Will grow in any climate or soil and makes a large yield of very fine hay. Should be cut before the seed hardens. 50 pounds to the bushel.

Price per bushel

Cow Peas

There are many varieties of Cow Peas the most popular being the New Era, Whippoorwill, Black and Clay. Every farmer should sow cow peas as



COW PEAS

Seed not
Inoculated Seed Inoculated
(From actual photograph.) with "NITRAGIN"

they are grown on very poor soil and after two crops are grown and turned under it will be possible to grow any crop desired, as they gather and add nitrogen to the soil. They make fine hay and are strongly recommended. 60 pounds to the bushel.

Price, per bushel

Soy or Soja Beans

There is too much to be said about the soy bean for us to attempt it in this limited space, but we know of no plant having a wider or more useful range of possibilities than the Soy Bean. It has a great feeding value

and the entire plant is valuable for forage. It is a legume and a great nitrogen-gatherer, therefore a great fertilizing crop. For full description write for our booklet on Soy Beans. The following are the most popular varieties, samples of which can be seen at our retail store on Cheapside. Do not fail to inoculate all Soy Beans for best results.

Ito San

Ito San Soy Bean is by far the earliest maturing of all soy beans, maturing in about one hundred and five to one hundred and ten days. It is a standard variety and a very heavy yielder of grain, should make twenty to thirty bushels of grain to the acre. It is not very suitable for hay as other varieties as the stalks are too coarse and the leaves drop very early. 60 pounds to the bushel.

Price, per bushel

Mikado

The Mikado Soy Bean is the largest yielder of grain of all the early varieties, and under favorable conditions should yield thirty to forty bushels of beans to the acre. It is about two weeks later than the Ito San and like the Ito San is not popular for hay. Hogs and cows flourish on this bean and we especially recommend this variety for grain. Come in and see a sample of this great grain producing bean. Be sure to inoculate. Samples on exhibition at our retail store. 60 pounds to the bushel.

Price, per bushel



SOY BEANS

Seed not
Inoculated

Seed Inoculated
with "NITRAGIN"
(From actual photograph.)

inoculated and see the nitrogen-gathering nodules. 60 pounds to the bushel.
Price, per bushel

Mongol.

The Mongol Soy is much like the Mikado in its yielding capacity, but is later in maturing and produces a little more forage. Come in and let us tell you more about it, and show you specimen of the Soy Bean root that was

inoculated and see the nitrogen-gathering nodules. 60 pounds to the bushel.

Price, per bushel

Jet

The Jet Soy is still a little later in maturing than the previous varieties, but is a very fine grain producer and unlike the others has a thin, tender stalk and lots of foliage and therefore very popular for both grain and hay. It is a great fertilizer but should by all means be inoculated. It does well on only fairly fertile soil and we recommend it very highly. See our samples. 60 pounds to the bushel.

Price, per bushel

Mammoth

The Mammoth, as the name implies, is the largest growing variety of all. It is well known in this section, and therefore does not need full de-

scription. It makes splendid ensilage and is fine to turn under as it is very leafy and makes good fertilizer, but it is seldom that the Mammoth will mature its grain in this section unless we have a very late fall. 60 pounds to the bushel.

Price, per bushel

Insure Your Seed

The Improved German Soil Inoculator. Nobbe-Hiltner Process

NITRAGIN
TRADE MARK REG'D DEC. 6, 1898 NO. 32212

PURE CULTURE

THE SIMPLEST SAFEST AND SUREST SYSTEM
OF SOIL INOCULATION FOR ALL LEGUMES



The first to appreciate the wonderful possibilities of legume bacteria were Doctors Nobbe and Hiltner, of the Royal Agricultural College of Munich, Germany. For years they experimented and finally succeeded in breeding in their laboratory, strong, healthy nitrogen-gathering germs. Realizing that their wonderful discovery meant a world benefit only when the practical farmer could make use of it, Nobbe and Hiltner evolved a way of packing the germs in a medium that insured successful delivery to the farmer—the germs absolutely guaranteed to be as strong, healthy and vigorous as when they left the laboratory.

This process is called the Nobbe-Hiltner Process; the product is called "NITRAGIN," the trademark that distinguishes the original Nobbe-Hiltner Pure Culture from imitations all over the world.

Always look for these names. If they are on the can you are getting the original and the best. Don't risk your money on imitations.

"NITRAGIN" Pure Culture is packed in a granular medium, in a ventilated tin can. Packing date is marked on each can. The Armour Fertilizer Works positively guarantee the health, strength and virility of the germs for six months from date of packing.

The Nobbe-Hiltner improved method of packing "NITRAGIN" Pure Culture in granular form, and sending it to the farmer in ventilated tin cans is the safe and certain way. Because of this method and the nature of the medium the manufacturers are enabled to guarantee life, strength and virility of germs for six months from packing date.

"NITRAGIN" Pure Culture has been used in Germany for 17 years. Last year it was used on more than a million acres. This year you should use it on your Clover, Alfalfa, Cow Peas, Soy Beans, Vetch, Field Beans, Garden Peas and Beans—in fact on all legumes.

Remember, each legume requires its own particular kind of bacteria. A special strain of "NITRAGIN" Pure Culture is prepared for each legume. In ordering be sure to name crop desired.

Soil inoculation by "NITRAGIN" Pure Culture simply means seed safety and crop insurance. It is not expense, but an investment which will yield twenty-fold returns. No mystery about it. Simply billions of strong, healthy germs, guaranteed for six months. Your legumes must have these germs to draw nitrogen from the air. Easy to apply—a boy can do it. Just add water and mix with seed—let dry—plant as usual.

New Jersey Agricultural Experiment Station, Bulletin No. 226.

"The weight of dry matter in the inoculated crops (Alfalfa) amply demonstrated the culture of "NITRAGIN" employed for inoculation was very satisfactory for the purpose for which it was intended." (Alfalfa yield increase due to "NITRAGIN" was over 500 per cent. Beans increased 75 per cent. Lima Beans and Cow Peas more than doubled.)

Prices: Garden size, \$1.00 per can; acre size, \$2.00 per can; five acre size, \$9.00 per can. F. O. B. Lexington. Express extra. Parcel Post, 10 cents per acre extra.

Order "NITRAGIN" with your Seeds.

Cane or Sorghum.

Sorghum is known so well to us all that a description is unnecessary. We carry the following varieties:

	Price per bu. (50 lbs.)
Red Top
Amber
Orange

Milo Maze

Milo Maize is a "non-sweet" sorghum of very high value. Cultivated like corn. It is a very vigorous grower, green in color and grows to a height of from eight to ten feet. The heads are fed to cattle and chickens. It will grow until frost. 50 pounds to the bushel.

Price, per bushel
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Kafir Corn

Kafir Corn is a most excellent fodder plant. It grows from six to eight feet high. The stalk bears numerous wide leaves. The stalks keep green and are very juicy, making excellent fodder green or dried. The seed crop is very heavy, and very valuable for poultry. For seed, cultivate like corn but broadcast for fodder. 50 pounds to the bushel.

Price per bushel
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Corn**Boone County White Corn**

Boone County White is a highly bred variety of white corn of extra large size. It is late in maturing, but under favorable conditions it is a splendid yielder, and is a great favorite. The ears are from 9 to 12 inches long, 7 to 8 inches in circumference, containing from 18 to 24 rows. The cob is medium large and pure white in color. The ears are quite uniform in size, shape and appearance. The kernels are pure white, quite rough, with fine large germ. Matures in about 120 to 130 days. Our stock is pure and genuine and can be relied upon to give splendid results. 56 pounds to the bushel.

Price, per bushel
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Johnson County White Corn

Johnson County White corn is very much like Boone County White, so much so that experts can hardly tell the difference. The only difference being that the Johnson County White tapers a little more at the end, but

like the Boone County White, fills out over the end and the butts are well rounded out, thus making a popular corn for show stock. 56 pounds to the bushel.

Price, per bushel.....

Reid's Yellow Dent

Reid's Yellow Dent can truly be called "pedigreed," if any corn can. It is considered one of the best varieties of yellow corn grown. Ears are medium in size, very uniform, and bright yellow color, with solid, deep grains and small red cob. Has from 18 to 24 rows of kernels on the cob, 50 to 60 grains in the row, and is well filled over the ends and especially the butts. 56 pounds to the bushel.

Price, per bushel

Goodloe's Improved 90 Days

Goodloe's Improved 90 Days has proven to be very popular and valuable corn both with the farmer and gardener and especially with the market gardener who wants roasting ears right after the sweet corn has gone and before the field corn is ready. This comes at the right time. This variety grows very rapidly and very large, stalks being from 9 to 15 feet high, and matures in 90 days, making splendid ensilage on account of its large, rank growth. It has been claimed by gardeners that roasting ears can be pulled in 60 days and are fine sellers, the ear being pearl white, firm, tender and well filled out over the tip and rounded out at the butt. The kernels being perfectly straight in rows. For an early white field corn this variety should be used.

Price, per peck

Price, per bushel (56 lbs.).....

Reid's Yellow Dent, 90 Days

Reid's Yellow Dent, 90 Days, is an early variety of the Reid's Yellow Dent Field Corn. It is very popular and for an early yellow corn has no equal.

Price, per peck.

Price, per bushel (56 lbs.).....

Broom Corn

Price, per bushel

Ensilage

Ask for varieties and prices on ensilage corn.

Hickory King.

Hickory King is a small variety of field corn which has the largest grains with the smallest cob of any corn in existence. The grains so large and the cob so small that when the ear is broken in two pieces, a grain will cover the cob section. This corn is of vigorous habits and well suited to light, thin soils. It is most popular in the Southern section, but does well in the Northern states.

Price, per peck

Price, per bushel (56 lbs.)

Pop Corn

Pop Corn, extra selected White Rice.	
Price, per pound	
Price, per 100 pounds	

Seed Oats

Northern White (Recleaned).	
Price, per bushel	
Northern Mixed (Recleaned).	
Price, per bushel	
Southern Burt.	
Price, per bushel	

Onion Sets

White Bottom Sets	
Price per quart	Price per bushel
Red Bottom Sets	
Price per quart	Price per bushel
Yellow Bottom Sets	
Price per quart	Price per bushel
White Top Sets	
Price per quart	Price per bushel
Potato Onion Sets	
Price per quart	Price per bushel
Potato Onions	
Price per quart	Price per bushel

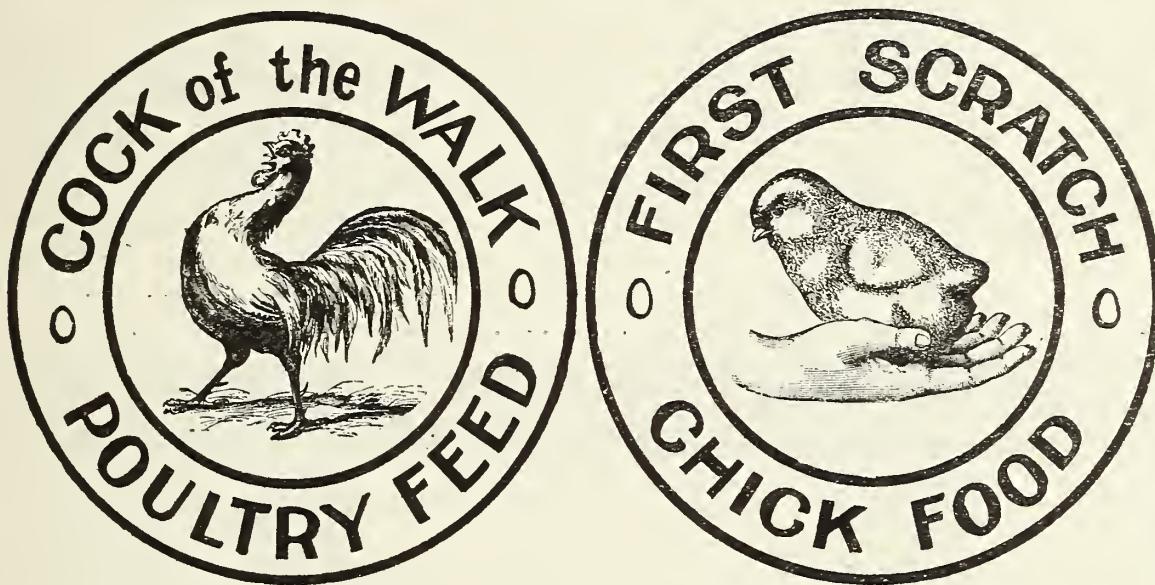
Seed Potatoes

Irish Cobblers,	
Price, per bushel	
Chicago Market	
Price, per bushel	
Burbanks,	
Price, per bushel	
Early Rose,	
Price, per bushel	
Hebrons,	
Price, per bushel	
Early Ohio,	
Price, per bushel	
Early Six Weeks	
Price, per bushel	
Early Triumphs,	
Price, per bushel	
White Elephants	
Price, per bushel	

Shade, Ornamental and Fruit Trees

Our Shade, Ornamental and Fruit Trees are grown by the largest and most responsible nurseries in this country. Get our large illustrated catalogue on trees, shrubs and bulbs.

Feeds and Supplies



For Poultry, Pigeons and Birds

Our Cock of the Walk is a very popular scratch feed for grown fowls. It is made from the best grains and consists of a balanced ration of wheat, kafir corn, cracked corn, barley, buckwheat, oats, sunflower and with or without grit.

First Scratch is for small chicks. It consists of cracked wheat, cracked kafir corn, cracked corn, millets, hulled oats and with or without grit.

Charcoal

Absolutely indispensable as an aid to digestion, and promotes health of both young chicks and fowls. A little goes a long way.

Crushed Oyster Shell

Every raiser of poultry, whether large or small, should have a supply of shells and use it freely either in poultry yards or where the fowls run, as it is absolutely necessary to the development of both bone and for egg production.

Pearl Grit

One of the most valuable grits that has ever been introduced, improving the condition of all kinds of poultry, keeping them in healthy condition, and entering into the formation of the component parts of the shells and yolks of eggs. This is the standard grit of America; recognized by breeders as the best.

Poultry Supplies

Our poultry supply department is complete, a few of which are shown in these cuts.

MOE'S SANITARY POULTRY DRINKING FOUNTAIN



Patented

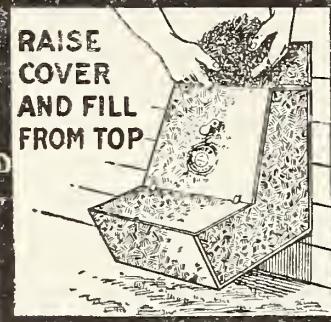
Dead air space between cover and reservoir keeps water cool in summer and from freezing in winter. Sanitary and humane. Manufactured in 3 sizes.

REPLACE COVER AND YOU HAVE A CONTINUOUS SUPPLY OF PURE WATER



No. 1. One gallon capacity	\$1.25
No. 2. Two gallon capacity.....	1.75
No. 4. Four gallon capacity.....	2.25

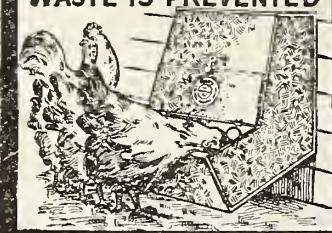
MOE'S NEVER CLOG AND WASTE PROOF HOPPER



Patent Pending

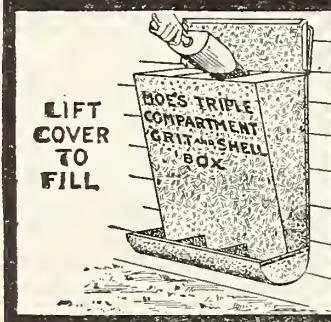
This hopper does away with all trouble of feed clogging, no matter how coarse. Manufactured in three sizes.

WHEN FILLED FEED CAN NOT CLOG AND ALL WASTE IS PREVENTED

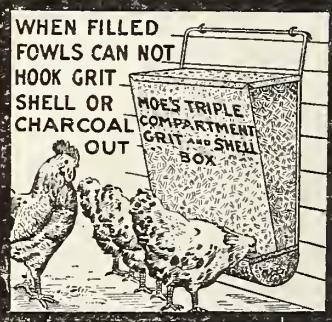


No. 35. 12 quart capacity	\$0.75
No. 36. 18 quart capacity	1.00
No. 37. 36 quart capacity	1.50

MOE'S GRIT AND SHELL BOXES



No. 9. Moe's Grit Box, capacity about 1-8 bu. 50c.



No. 90. Four compartments, 75c.

MOE'S STAR JAR FOUNTAIN AND FEEDER



Patent Pending.

No parts to come unsoldered. Leaking impossible. Will fit pint, quart or half-gallon Mason jar. Convenient, cheap and sanitary. One size only. 10c each, \$1.00 doz.



Calves Without Milk

Cost less than half as much as the milk raised calves. Increase your profits by using

BLATCHFORD'S CALF MEAL

Don't murder your calves any longer—raise them.

It is shown by government records and statistics that the slaughter of cattle in the United States between the years of 1900 and 1910 increased 66 per cent; that the slaughter of calves during that period increased more than 500 per cent.

Take advantage of this opportunity. Raise your calves without milk. Send for booklet, "The best way to raise calves—with little or no milk."

Retail Prices.

	100-lb. bags.	50-lb. bags.	25-lb. bags.
Calf Meal	\$3.50	\$2.00	\$1.00
Pig Meal	3.50	2.00	1.00
Lamb Food	3.50	2.00	1.00
Egg Mash	2.50	1.35	.75
Milk Mash	3.00	1.65	.90

Grass, Clover and Grain Seeders

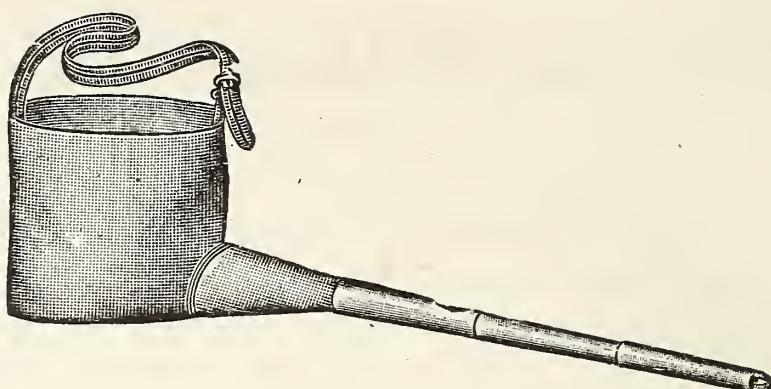
Cyclone Broadcast Seeder



Similar to Premier, except that the bottom of the seeder is wood and the distributing wheel heavy-coated iron. Thousands of these are in use with perfect success. Adapted to all kinds of grain and heavy grass and clover seeds. Price \$1.50.

Cahoon Broadcast Seeder

The standard broadcast seeder and one of the best manufactured. Sows all kinds of grain, Clover, Timothy, and heavy seeds. Very simple in operation and sows 4 to 6 acres an hour at a common walking gait. Distributes seeds uniformly in one-fifth the time required by hand. Circular on request. Price, \$3.50.



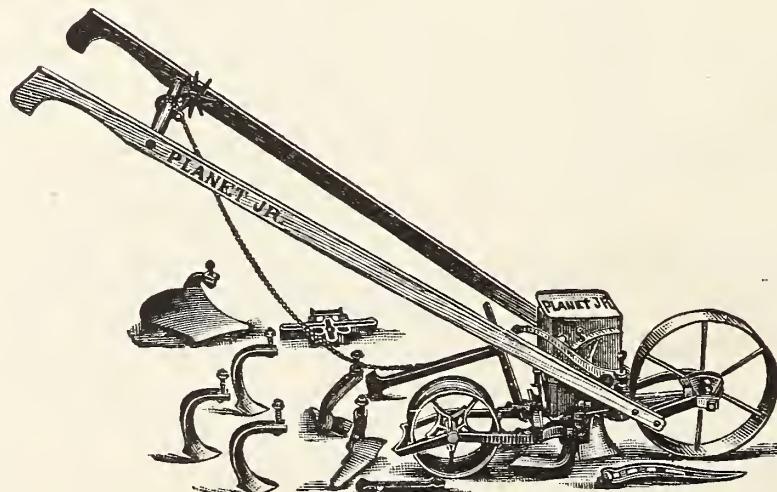
Rittenhouse Horn Seeder

A light, accurate seeder that will broadcast clean seed from 30 to 40 feet. Length extended 30 inches. Weight, 12 ounces. Good heavy grade of ducking used on sack. Price, 75 cents each.

Planet Jr. Garden Tools

The New "PLANET JR." Catalogue is the handsomest, best, and most instructive book ever issued on a similar subject. Full of little points that bring profit. Full of true and handsome illustrations. We mail it free to any address on application.

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow.



Price, complete, \$11.00.

Weight, 50 lbs.

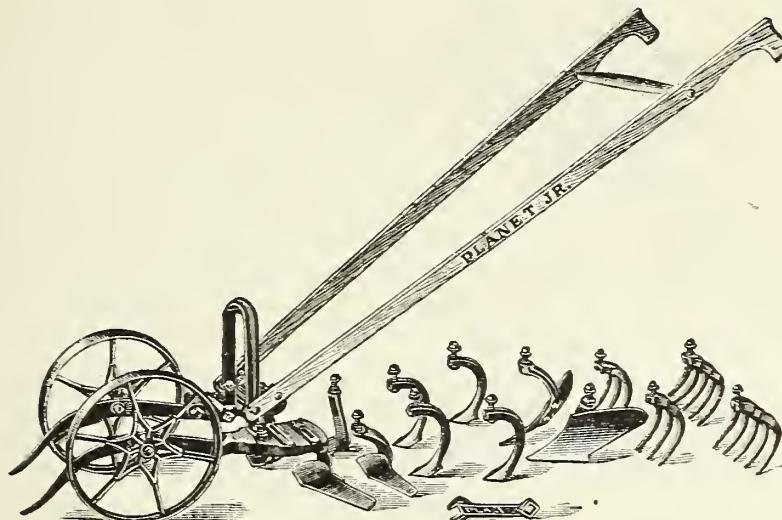
As a Seeder Only, \$9.00.

Holds 2½ quarts
of seed.

Plants in hills, 4, 6, 8,
12 or 14 inches apart.

For use as a cultivator, the drill parts are removed and the tool frame substituted by changing but one bolt; it is then a perfect single wheel hoe, with a variety of tools, and a rapid change frame, with side extension for hoeing both sides of a row at one passage.

No. 11 Planet Jr. Double Wheel Hoe, Cultivator, Plow and Rake.



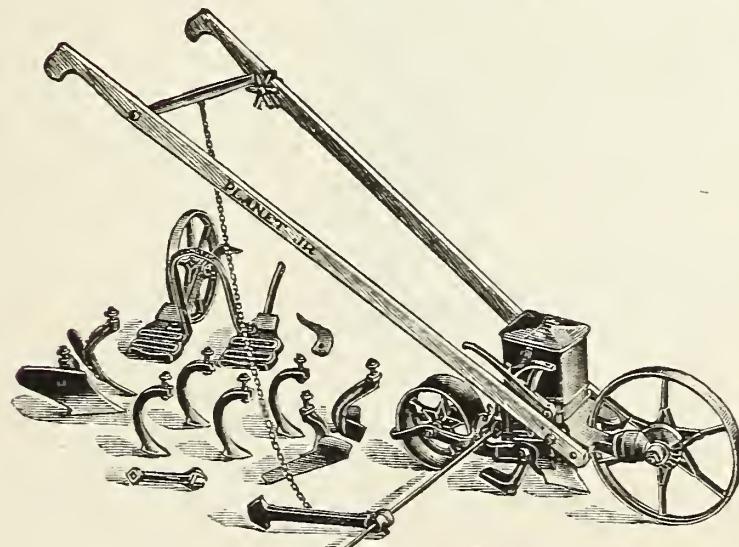
Price, with attachments
as in cut,
\$9.00.

Weight, packed,
37 lbs.

Steel Frame.

The hoes are the most valuable of all the wheel hoe attachments; are oil tempered and polished. Use the 4-inch for 6, 10 or 12-inch rows; the 6-inch for rows 12 inches and upwards. Leaf lifters save time and enable fine work to be done close to the row without additional labor, when plants are large or leaves are flat on the ground.

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator or Plow.



Price, \$13.50.

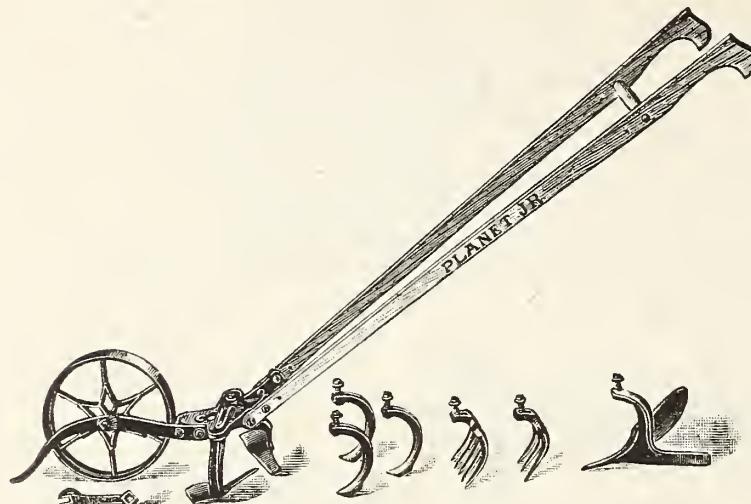
Weight, packed, 61 lbs.
Holds 2 1/2 quarts of
seed.

Steel Frame.

The simplicity of this tool, both as a seeder and as a wheel hoe, makes the combination thoroughly practical.

Two acres a day can easily be worked with this implement, and when it is done, it will be a better job than several men could have done in the same time with hand hoes.

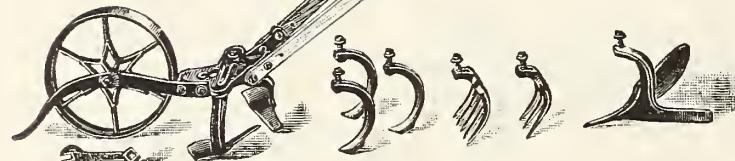
No. 16 Planet Jr. Single Wheel Hoe, Cultivator, Rake and Plow.



Price \$5.85.

Weight, 27 lbs.

Steel Frame.



We offer these Single Wheel Hoes as the highest type of their class. They have a great variety of tools which adapt the implements to a large variety of work, and there is scarcely any garden culture of which they are not capable.

Poultry Remedies

Conkey's Starting Food for Chicks, 3 lb. pkg., 25c; 6½ lb. pkg., 50c; 14 lb. bag, \$1.00; 25 lb. bag, \$1.65; 50 lb. bag, \$3.00; 100 lb bag, \$5.75.

Conkey's Roup Remedy. 25c, 50c and \$1.00 per pkg.

Conkey's Roup Pills. 25c, 50c and \$1.00 per pkg.

Conkey's Canker Special. 50c per pkg.

Conkey's Bronchitis Remedy. 50c per pkg.

Conkey's Cholera Remedy. 25c and 50c per pkg.

Conkey's Chicken Pox Remedy. 50c per pkg.

Conkey's Limber Neck Remedy. 50c per pkg.

Conkey's Scaly Leg Remedy. 25c per pkg.

Conkey's Gape Remedy. 50c per pkg.
Conkey's White Diarrhoea Remedy. 50c per pkg.
Conkey's Poultry Tonic. 25c per pkg.
Conkey's Blackhead Remedy. 50c per pkg.
Conkey's Rheumatic Remedy. 50c per pkg.
Conkey's Poultry Worm Remedy. 50c per pkg.
Conkey's Poultry Laxative. 25c per pkg.
Conkey's Healing Salve. 25c per pkg.
Conkey's Head Lice Ointment. 1 oz. tube, 10c; 3 oz. tube 25c.
Conkey's Lice Powder. 5 oz. pkg. 10c; 15 oz. pkg. 25c; 48 oz. pkg. 50c;
 100 oz. pkg. \$1.00.
Conkey's Lice Fix. 50c per pkg.
Conkey's Lice Liquid. 1 qt. 35c; 2 qts. 60c; 1 gallon, \$1.00.
Conkey's Laying Tonic. 1½ lb. pkg. 25c; 3¼ lb. pkg. \$1.00; 25 lb pail \$3.00.
Conkey's Poultry Conditioner. 25c and 50c per pkg.
Conkey's Noxicide. Small size, 25; 1 qt. 60c; 95c ½ gallon, \$1.50 1 gallon.
Conkey's Sulphur Fumigating Candles. 10c each, 3 for 25c; 1 doz. \$1.00.
Conkey's Fly Knocker. Per qt. 35c; ½ gallon, 60c; per gallon \$1.00; 5 gal.
 can (jacketed), \$4.00.

Fertilizers

Wizard Brand Sheep Manure (Pulverized)

This is a natural manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid steady growth until maturity. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. 10c 2 lbs., 25c 16 lbs., \$1.00 50 lbs., \$1.75 100 lbs.

Nitrate of Soda

Valuable solely for the nitrogen it contains. It is chiefly a stimulant, used in addition to other fertilizers. It is quick in action and hastens crops to maturity, being extremely soluble it is easily applied after the plants are above ground. Price per 5 lb. package 35c (P. P. 6 lb.); 10 lb. package 60c; (P. P. 11 lbs.) 25 lb. bag, \$1.25; 50 lb. bag, \$2.25; 100 lb. bag, \$4.00; 200 lb. bag, \$7.00; per ton, apply. Quantity required: 100 to 500 lbs. per acre. Liquid, 5 lbs. to 80 gals. of water.

Raw Ground Bone

This is moderately fine and particularly adapted for general fertilizing; the finer particles are immediately assimilated, the coarse keeping up the supply of plant food for a long period.

Price per 100 lb. bag, \$3.00; 200 lb. bag, \$5.00; per ton of 2,000 lbs. \$45.00.

Lawn Mixture

Consists of ground tobacco stems, ground bone meal and lime and is considered very fine for lawns.

Per lb Per 100 lbs.
 Bear Tobacco Grower, per 100 lbs.
 Bear Truck Grower, per 100 lbs.

Tobacco Stems

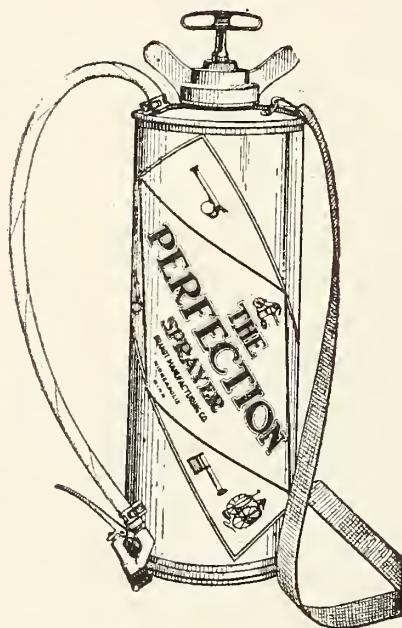
A good lawn covering and imparts large quantities of ammonia to the ground.

Price, per 100 pounds

SPRAYERS

Compressed Air and Knapsack

The "Perfection," a Self-Operating Automatic Sprayer.



This machine is one of the strongest and most simple in its parts. The pump is locked by means of sliding cam, which prevents wear, gives long service, and renders all parts instantly accessible. Reservoir holds 4 gallons but should not be over two-thirds full of solution when ready for spraying. About two pumping will empty the tank, and the operator has only to direct the spray. It can be used in the garden, for small trees and shrubs, spraying weeds, spraying cattle, or whitewashing. Cylinders are made of both galvanized iron and brass, with locked seams. It can be carried in the hand or used as a knapsack sprayer. Two nozzles are supplied with each machine, which will throw fine or coarse spray. Equipment consists of two feet $\frac{1}{2}$ -inch hose, fine

spray nozzle, solid stream cap and stopcock for shutting off. If coarse whitewashing nozzle is wanted, or turned nozzle for spraying low-growing plants, we will quote on request. Other equipments are given below. Full directions, with repair list and spray calendar, accompany each machine.

Insecticides and Fungicides

For Plants, Trees, Weeds, Etc.

LIME-SULPHUR SOLUTION—This is the standard remedy adopted and recommended by practically all of the experiment stations for destroy-

ing San Jose and Oyster Shell Scale. It is to be diluted 1 to 10, and sprayed or applied to trees while they are dormant in Fall or Winter. It is also highly recommended as an insecticide and fungicide, killing spores or fungi, as an insecticide acts as a constant poison for sucking insects and mites.

LIME-SULPHUR SOLUTION is a clear cherry red solution free from sediment and cannot clog the nozzles. It is guaranteed to contain 33% of lime and sulphur which will test 32% to 33% Baume. The value of Lime-Sulphur as an insecticide and fungicide is due entirely to the sulphur in combination with lime existing as Poly-Sulphides. Owing to the great care and improved methods of manufacture this Lime-Sulphur contains the maximum amount of Sulphur in the Poly-Sulphide form. Practically all of the experiment stations recommend Lime-Sulphur as the best spray for destroying scale insects, and also recommend its use in place of Bordeaux for Summer spray.

Lime-Sulphur Solution is being largely used as a Summer spray now, especially in mixtures with Arsenate of Lead. When used for a Summer spray, one pound to 30 gallons of water are about the proportions. Qt., 25c; $\frac{1}{2}$ gal., 40c; gal., 60c; 5 gals., \$1.75; 25 gals., \$5.00; bbl. (about 50 gals.), \$8.00. Special prices in large lots.

PARIS GREEN—A strong and effective poison for potato and other leaf-eating insects. Can be applied either dry or in a solution of water; if dry use Leggett's Dry Powder Gun or Beetle Duster (see implements); if diluted use one pound of Green to 100 gallons of water. For tender foliage or trees double the quantity of water. Paris Green acts a little quicker than Arsenate of Lead, but washes off more easily. It is better to use on garden crops or tobacco, and Arsenate of Lead is best for trees. **Paris Green and Bordeaux Mixture** give excellent results on potatoes, the Green killing the bugs and the Bordeaux preventing blight. Price fluctuates. Present price, $\frac{1}{2}$ lb., 15c; lb., 20c; 5 lbs., at 18c; 100 lbs. about 15c per lb.

ARSENATE OF LEAD—One of the best and most effective poisonous insecticides for leaf-eating insects, and more especially adapted to trees and shrubs, as it adheres to the foliage better, is not so liable to be washed off by rains, and does not burn. We can supply Arsenate of Lead either in paste form to be diluted with water, 3 lbs. to 50 gallons, or in dry form for dusting or dissolving. The dry form is about twice as strong as the paste and sells at higher price. For tender plants use a weaker solution than mentioned.

Prices, Paste Form Arsenate of Lead—Lb., 20c; 5 lbs., 15c per lb.; 25 lbs., 13c per lb.; 100 lbs. and over, 10c per lb.

Dry Arsenate of Lead—Lb., 30c; 5 lbs., 25c per lb.; 25 lbs. 22c per lb.; 100 lbs., 19c per lb.

Arsenate of Lead and Bordeaux Mixture is made by using one pound of Arsenate of Lead (paste) to six to ten pounds of Bordeaux Mixture.

BORDEAUX MIXTURE—For blight, mildew, and all fungous diseases. Can be used alone or in connection with Paris Green or Arsenate of Lead. For hardy foliage such as apple, pear, potato, tomato, egg plant, use 8 to 12 lbs. in 50 gallons of water. For tender foliage such as peach, cherry and cucumber, 6 to 8 lbs. in 50 gallons of water.

Bordeaux Mixture Paste—Per lb. 20c; 5 lbs. 50c; 12½ lbs. \$1.25; 25 lbs. \$2.25; 100 lbs., \$6.50.

Bordeaux Mixture Dry—Per lb. 25c; 5 lbs. 85c; 50 lbs. \$6.50; 100 lbs. \$12.00.

BUG DEATH—A non-poisonous preparation, very effectively used on rose bushes, grape vines, house plants and all shrubs. Sure death to potato, squash and cucumber bugs, currant, gooseberry and tomato worms. It also prevents blight commonly known as rust; used either dry or with water. It is not injurious and can be used freely in the dry form. Apply while the dew is on the plants as the powder adheres better. If used as a wet spray stir thoroughly 12 to 15 lbs. Bug Death in 3 gallons of water, then pour mixture into 60 gallons of water. For smaller amounts reduce proportionately. Lb. pkg., 15c.; 3 lb. pkg., 35c; 5 lb. pkg., 50c; 12½ lb. pkg., \$1.00.

HAMMOND'S SLUG SHOT—One of the best vegetable insecticides in use. Specially recommended for destroying the Cabbage worm, Potato bug, Tobacco worm, and other insects that prey on vegetation. Gardeners need have no fear about applying this, as it is not dangerous to handle like Paris Green, etc. Non-poisonous to human life. Price—1-lb. canister, 15c; 5-lb. pkgs., 30c; 10-lb pkgs., 60c; 100-lb. lots, at 5½c per lb. Pamphlet containing full information mailed free.

TOBACCO DUST—One of the cheapest and most effective remedies for destroying lice and worms on Cabbage, striped bug on Melons, Cucumbers and Squashes, and other insects. It is best to dust on young plants when the dew is on, as it will stick better. Lb. 10c; 10 lbs. 50c; 25 lbs. \$1.00, 50 lbs., \$1.50; 100 lbs. \$2.50.

TOBACCO STEMS—For fumigating use or use as a mulch, preventing green fly and other parasites. Per 100 lbs.

PERSIAN INSECT POWDER—A most effective non-poisonous impalpable powder for worms, flies, aphis, and almost all kinds of insects. Very effectual, suffocating and poisoning by filling up the breathing pores. ½ lb. 25c; 1 lb. 40c; 5 lbs. \$1.75.

SULPHUR—For Mildew on Roses, Lettuce and other plants. Also valuable for poultry, insects, etc. Lb. 10c; 10 lbs., 50c; 25 lbs., \$1.00; 100 lbs. \$3.50.

WHITE HELLEBORE—A non-poisonous powder for destroying cabbage worms, bugs, and lice on vegetables, ¼ lb., 10c; ½ lb., 15c; 1 lb. 25c. Postage at the rate of 16c lb.

SULPHATE OF COPPER (Blue Stone or Vitriol)—Used in making Bordeaux Mixture in combination with lime, the proportions being 4 lbs. Blue Stone, 4 lbs. Lime, 50 gallons of water. Place the Blue Stone in a canvas sack, immerse in water until it dissolves; dissolve the lime in water, strain and mix. Use quickly as possible after making. Price, lb., 10c; 25 lbs., \$2.00; 100 lbs., \$6.50; in barrels, 6¼c per lb. Price subject to change.

Rat Corn**RAT CORN**

Before Eating Rat Corn



After eating Rat Corn he is mummified.

Will exterminate rats, mice and gophers from your premises in a safe, sane and sanitary manner.

No odors or smells. It mummifies them. No matter where they die they simply DRY UP. Positively do not smell.

Rat Corn is a new and scientific discovery, and without doubt the greatest rat destroyer in the world; the only one that kills rats without any bad, dangerous or disagreeable effects. A trial will convince you.

25c, 50c and \$1.00 per can. 6 lb. Pail \$5.00, express prepaid.

Modoc Weed Destroyer

Destroys Weeds, Moss, Grass, etc. in Garden, Walks and Carriage Drives.

It completely destroys all weeds, wherever applied, and by its effect on the ground prevents the growth of fresh ones for a year afterwards, thus saving an immense amount of labor in hoeing, etc. For brick walks it is a boon. Its application is easy, being in a liquid form and only requiring to be mixed with water and applied with a watering can or sprinkling cart. If the ground is very dry it should first be sprinkled with clear water, so the Weed Destroyer will not soak away too quickly. Where large weeds and docks are to be destroyed it is best to mow or chop off the tops first. Full directions for use with each package. (Not mailable).

Flower Pots

Flower pots from one inch to 16 inches. They are well made and very substantial.

Feed Baskets**Garden Implements**

Hoes, Rakes, Spades and Lawn Mowers.

Seeding.

"Successful farmers recommend heavy seeding"

The quantity of seed that should be sown per acre depends on the location and nature of the soil. There is a wide difference of opinion on this subject, and the actual weight necessary must therefore be determined by some one conversant with the local situation.

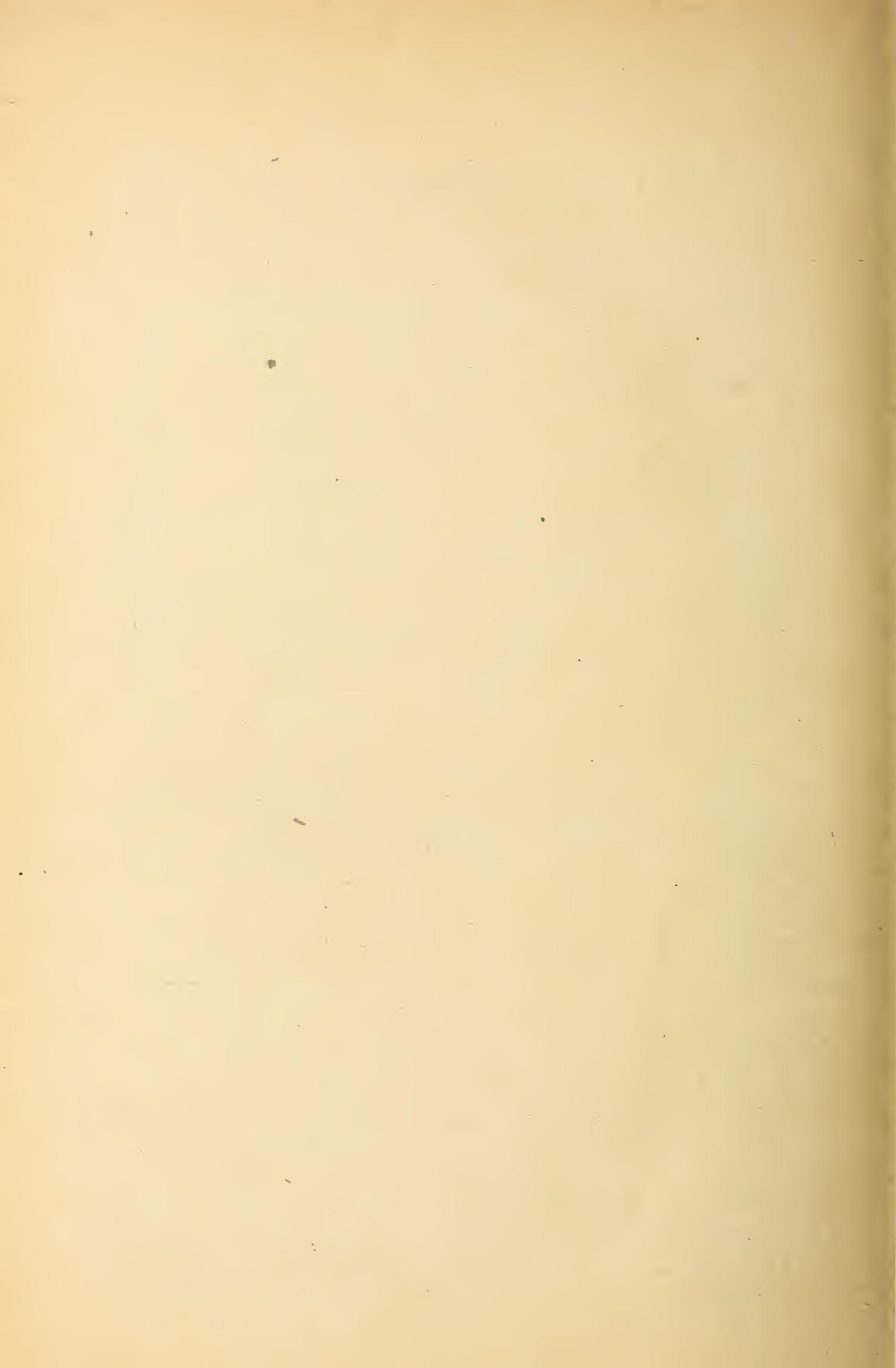
Spare seeding is not economical, especially where the soil is poor.

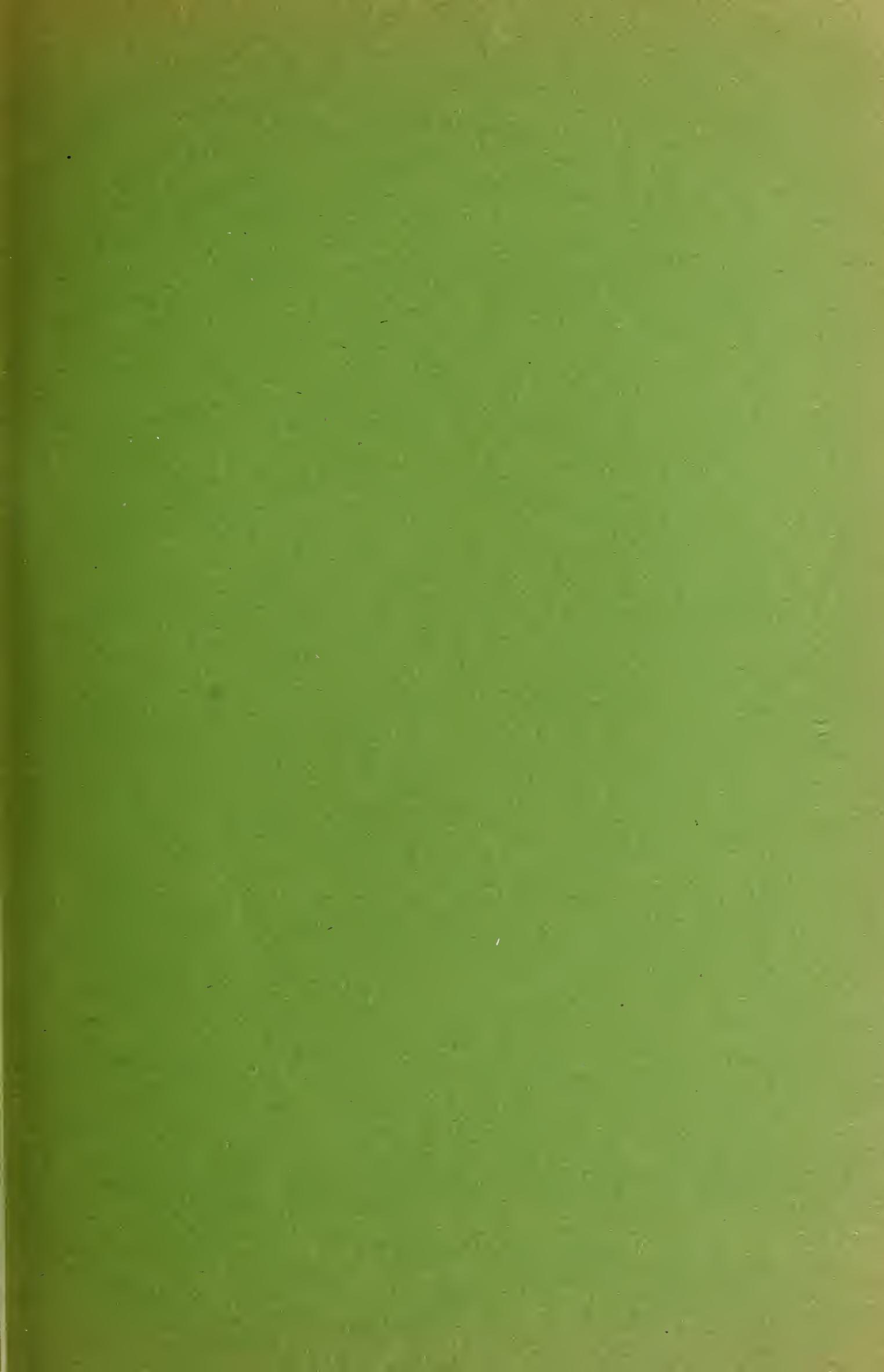
The best qualities are found to be cheapest and pure seeds of high germinating quality are in demand more than formerly; the extra cost per acre is small and the results are more satisfactory.

Quantity of Seed Required per Acre and Customary Weights per Bushel.

	Lbs. per acre	Lbs. per bu.	Lbs. per acre	Lbs. per bu.
Alfalfa—broadcast	18- 22 lbs.	60 lbs.		
Alfalfa—drilled	15- 20 "	60 "		
Barley	95-110 "	48 "		
Beans—in hills	20- 35 "	60 "		
Blue Grass, Kentucky	14- 21 "	14 "		
Blue Grass, Canada	14- 21 "	14 "		
Brome Grass—alone for hay	18- 20 "	14 "		
Brome Grass—alone for pasture	20- 25 "	14 "		
Broom Corn	36 "	48 "		
Broom Corn—for seed	12 "	48 "		
Buckwheat	60- 70 "	52 "		
Clover, Alsike—alone for forage	8- 15 "	60 "		
Clover, Alsike—on wheat or rye in spring	4- 6 "	60 "		
Clover, Mammoth	12- 15 "	60 "		
Clover, Red—alone for forage	10- 16 "	60 "		
Clover, Red—on small grain in spring	8- 14 "	60 "		
Clover, Sweet—hulled	20- 30 "	60 "		
Clover, Sweet—unhulled	30- 40 "	30 "		
Corn	"	56 "		
Corn—for silage	30- 35 "	56 "		
Cow Peas—broadcast	80-120 "	60 "		
Cow Peas—drilled	45- 60 "	60 "		
Crimson Clover	18- 20 "	60 "		
Canada Field Peas—broadcast	150-160 "	60 "		
Canada Field Peas—with oats	90-100 "	60 "		
Flax—for fibre	75-110 "	56 "		
Flax—for seed	35- 45 "	56 "		
Grass—for lawns	1- 2 bus.	14 "		
Hungarian Millet—for hay	40- 48 lbs.	48 "		
Hungarian Millet—for seed	25- "	48 "		
Kafir—drills	3- 6 "	56 "		
Kafir—for fodder	10- 12 "	56 "		
Meadow Fescue	15- 20 "	24 "		
Millet, Common—for hay	40- 50 "	50 "		
Millet, Common—for seed	25 "	50 "		
Millet, German—for hay	40- 15 "	50 "		

Millet, German—for seed	25 "	50 "
Millet, Siberian—for hay	40 "	50 "
Milelt, Siberian—for seed.....	25 "	50 "
Millet, Japanese	15 "	35 "
Oat Grass, Tall	30 "	14 "
Oats	"	32 "
Orchard Grass	14- 18 "	14 "
Pasture Mixture	40- 42 "	
Rape—in drills	2- 4 "	50 "
Rape—broadcast	4- 8 "	50 "
Red Top—solid seed	14- 18 "	
Red Top—in chaff	30- 40 "	14 "
Rye—early	55- 65 "	56 "
Rye—late	75-112 "	56 "
Rye—forage	175-200 "	56 "
Rye Grass, Italian	40-50 "	24 "
Rye Grass, Perennial	40- 50 "	24 "
Sheep's Fescue	35- 45 "	14 "
Sorghum, Forage—broadcast	75-100 "	50 "
Sorghum—for seed or syrup	2- 5 "	50 "
Soy Beans—drills	30- 40 "	60 "
Soy Beans—broadcast	60- 80 "	60 "
Sweet Corn—in drills for fodder.....	75 "	46 "
Sweet Corn—broadcast	150 "	46 "
Timothy	15- 25 "	45 "
Timothy and Clover—		
Timothy	10 "	
Clover	4 "	
Vetch, Hairy—drilled (plus one bus. small grain) ..	60 "	60 "
Vetch Hairy—broadcast (plus one bus. small grain)	80 "	60 "
Vetch, Spring (plus one bus. small grain)	80 "	60 "
Wheat	90-120 "	60 "





Powdrpaint

A Remarkable Discovery
Reduces Cost of Painting
Seventy - Five per Cent.
The Paint That Makes
You an Expert Painter
from the Start. Powdr-
paint is guaranteed Fire-
proof, Weatherproof,
Sanitary and Durable.

12c per Pound

5 Pounds Enough for 1 Gallon
Cheaper In Large Quantities.

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Lexington, Ky.

